

(19)



JAPANESE PATENT OFFICE

PATENT ABSTRACTS OF JAPAN

(11) Publication number: **2000318290 A**

(43) Date of publication of application: **21.11.00**

(51) Int. Cl

B41M 3/14
B32B 7/02
B32B 27/18
B41M 3/00
B42D 15/10
G06K 19/10

(21) Application number: **11131060**

(22) Date of filing: **12.05.99**

(71) Applicant: **TOPPAN PRINTING CO LTD**

(72) Inventor: **SHINDOU NAOAKI**
HORIE KIYOSHI

(54) FORGERY PREVENTIVE SHEET

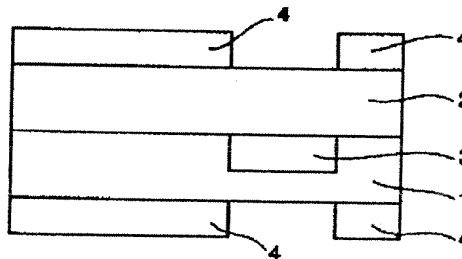
(57) Abstract:

PROBLEM TO BE SOLVED: To confirm forgery preventive information, to get verifying into difficulty and to make a forgery or alteration of securities difficult by arranging a fluorescent print layer of a fluorescent material for absorbing an ultraviolet ray to emit a visible ray between both transparent and ultraviolet transmittable base materials obtained by adhering the two materials.

SOLUTION: A print layer 4 is provided on one side surface of a base material 1 for constituting a forgery preventive sheet, and a fluorescent print layer 3 is provided as forgery preventive information printed with a fluorescent ink on the other side surface. The layer 4 is provided on one side surface of a base material 2, no layer is provided on the other surface, and the other surface of the material 1 and the other surface of the material 2 are laminated to form a forgery preventive sheet. The ink used for masking is adapted to a white color or the like hard to affect an influence to a color or printing with good adhesive properties of the materials 1 and 2. Materials of the transparent and ultraviolet

transmittable base materials 1, 2 are adapted to a polypropylene, polyethylene or the like. The ink is excited by a light having a wavelength of 200 to 300 nm, and adapted to a fluorescent material for emitting with a visible ray.

COPYRIGHT: (C)2000,JPO



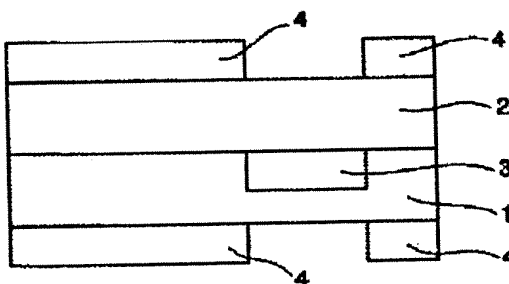
FORGERY PREVENTIVE SHEET

Patent number: JP2000318290
Publication date: 2000-11-21
Inventor: SHINDOU NAOAKI; HORIE KIYOSHI
Applicant: TOPPAN PRINTING CO LTD
Classification:
- international: B41M3/14; B32B7/02; B32B27/18; B41M3/00;
B42D15/10; G06K19/10
- european:
Application number: JP19990131060 19990512
Priority number(s):

Abstract of JP2000318290

PROBLEM TO BE SOLVED: To confirm forgery preventive information, to get verifying into difficulty and to make a forgery or alteration of securities difficult by arranging a fluorescent print layer of a fluorescent material for absorbing an ultraviolet ray to emit a visible ray between both transparent and ultraviolet transmittable base materials obtained by adhering the two materials.

SOLUTION: A print layer 4 is provided on one side surface of a base material 1 for constituting a forgery preventive sheet, and a fluorescent print layer 3 is provided as forgery preventive information printed with a fluorescent ink on the other side surface. The layer 4 is provided on one side surface of a base material 2, no layer is provided on the other surface, and the other surface of the material 1 and the other surface of the material 2 are laminated to form a forgery preventive sheet. The ink used for masking is adapted to a white color or the like hard to affect an influence to a color or printing with good adhesive properties of the materials 1 and 2. Materials of the transparent and ultraviolet transmittable base materials 1, 2 are adapted to a polypropylene, polyethylene or the like. The ink is excited by a light having a wavelength of 200 to 300 nm, and adapted to a fluorescent material for emitting with a visible ray.



Data supplied from the *esp@cenet* database - Worldwide